# ECS Configuration Change Request

| 1. Originator | 2. Log Date: | 3. CCR #: | 4. Rev: | 5. Tel: | 6. Rm #: | 7. Dept. |
|---|---|---|---|---|---|---|
| Stephen Berrick | 1/10/02 | 02-0018 | — | (301) 614-5579 | S130C, Bldg 32 | GSFC |

**8. CCR Title:** Have all Terra, Aqua, and Aura DPREP products set unique LocalGranuleID attribute

| 9. Originator Signature/Date | 10. Class | 11. Type: | 12. Need Date: 03/01/2002 |
|---|---|---|---|
| Stephen Berrick    /s/    01/02/02 | II | CCR | |

| 13. Office Manager Signature/Date | 14. Category of Change: Initial ECS Baseline Doc. | 15. Priority: (If "Emergency" fill in Block 27). Routine |
|---|---|---|

| 16. Documentation/Drawings Impacted: | 17. Schedule Impact: | 18. CI(s) Affected: |
|---|---|---|

| 19. Release Affected by this Change: 6A | 20. Date due to Customer: | 21. Estimated Cost: None - Under 100K |
|---|---|---|

**22. Source Reference:** ☐ NCR (attach)    ☐ Action Item    ☐ Tech Ref.    ☐ GSFC    ☐ Other:

**23. Problem: (use additional Sheets if necessary)**
Production History (and Browse) data are Ingested from S4PM by associating them with the LocalGranuleIDs of the data. These LocalGranuleIDs need to be unique. Currently, most of the DPREP output products do not have LocalGranuleID set. In addition, the LocalGranuleID needs to be unique such that if the same input data were run with DPREP again, a unique LocalGranuleID would be produced. A way of achieving this is to include a production date/time stamp in the LocalGranuleID. The GDAAC has given a schedule to ESDIS that calls for the Terra/Aqua PGEs to be running in S4PM in OPS by March 31, 2002. Thus, we need this by 03/01/2002 for testing.

**24. Proposed Solution: (use additional sheets if necessary)**
See Additional Sheet

**25. Alternate Solution: (use additional sheets if necessary)**
1. Allow direct insert of products from S4PM, the same way as PDPS. Then, a LocalGranuleID won't be necessary.

**26. Consequences if Change(s) are not approved: (use additional sheets if necessary)**
DPREP PGEs running in S4PM will not be able to export Production History to the ECS archive.

**27. Justification for Emergency (If Block 15 is "Emergency"):**

**28. Site(s) Affected:** ☐ EDF   ☐ PVC   ☐ VATC   ☐ EDC   ☒ GSFC   ☐ LaRC   ☐ NSIDC   ☐ SMC   ☐ AK   ☐ JPL   ☐ EOC   ☐ IDG Test Cell   ☐ Other

| 29. Board Comments: | 30. Work Assigned To: | 31. CCR Closed Date: |
|---|---|---|

| 32. EDF/SCDV CCB Chair (Sign/Date): | **Disposition:** Approved  App/Com.  Disapproved  Withdraw  Fwd/ESDIS ERB    Fwd/ECS |
|---|---|
| **33. M&O CCB Chair (Sign/Date):** Gary Gavigan  /s/        01/15/02 | **Disposition:** <mark>Approved</mark>  App/Com.  Disapproved  Withdraw  Fwd/ESDIS ERB    Fwd/ECS |
| **34. ECS CCB Chair (Sign/Date):** | **Disposition:** Approved  App/Com.  Disapproved  Withdraw  Fwd/ESDIS ERB    Fwd/ESDIS |

# ADDITIONAL SHEET

**CCR #:**         **Rev:**         **Originator:** Stephen Berrick

**Telephone:** (301) 615-5579     **Office:** S130C GSFC Bldg 32

**Title of Change:** Have all Terra, Aqua, and Aura DPREP products set unique LocalGranuleID attribute

All of the DPREP output products appear to have the LocalGranuleID attribute in the ESDT descriptor files. All that needs to be done, then, is to have the DPREP PGEs set this attribute. The following is proposed for the LocalGranuleID:

<ShortName>.<P>YYYYddd.hhmm.<VersionID>.YYYYdddhhmmss.<extension>

where:

<ShortName> is the ESDT ShortName
<P> is a one-character indicator of the platform (A = Terra or AM1, P = Aqua or PM1, C = Aura or CHEM)
YYYYddd is the data collection 4-digit year and 3-digit day of year
hhmm is the data 2-digit hours and 2-digit minutes
<VersionID> is the ESDT VersionID
YYYYdddhhmmss is the production year, day of year, hours, minutes, and seconds
<extension> is the file name extension (e.g. hdf or blank or whatever is appropriate)

For example:

AM1ATTNH.A2000060.0200.001.2001323112343.hdf

for a Terra granule of AM1ATTNH, version 001 whose data was collected on Feb 29, 2000 at 02:00 and produced on Nov 19, 2001 at 11:23:43

This is the LocalGranuleID scheme adopted by MODIS. The important aspect is that it is always unique no matter how many times the granule is produced.

CM01AJA00 Revised 10/15/01                                               ***ECS***